CLAIMS

What is claimed is:

1   1.   A method of performing a trick mode on a video signal containing a

2   plurality of original pictures, comprising the steps of:

3   receiving a trick mode command;

4   searching the plurality of original pictures in the video signal for a picture

5   compatible with the trick mode; and

6   initiating the trick mode once the compatible picture is located.

1   2.   The method according to claim 1, wherein the compatible picture is an

2   intra picture.

1   3.   The method according to claim 1, wherein the compatible picture is a

2   predictive picture.

1   4.   The method according to claim 1, wherein the trick mode is a freeze

2   trick mode and said method further comprises the step of repeating the compatible

3   picture for the duration of the trick mode to form a trick mode signal.

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1   5.   The method according to claim 4, wherein said repeating step further

2   comprises the step of repeating the compatible picture for the duration of the trick

3   mode by inserting into the video signal dummy pictures predicted from the

4   compatible picture to form the trick mode video signal.

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1   6.   The method according to claim 5, wherein each of the plurality of

2   original pictures contains a display indicator and said method further comprises the

3   step of selectively modifying the display indicator of the original pictures that follow

4   the compatible picture when a dummy picture is inserted into the video signal.

1   7.   The method according to claim 6, wherein the dummy pictures are

2   dummy predictive pictures.

1   8.   The method according to claim 7, wherein the compatible picture is an

2   intra picture and said method further comprises the step of selectively inserting the

3   compatible I picture into the trick mode signal.

1   9.   The method according to claim 8, wherein at least a portion of the trick

2   mode is decoded by a remote decoder.

1   10.   A method of performing a trick mode on a video signal, comprising the

2   steps of:

3   receiving a trick mode command;

4   searching for a picture in the video signal compatible with the trick mode; and

5   initiating the trick mode once the compatible picture is located;

6   wherein the trick mode command is a freeze trick mode.

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1　　　11.　　A system for performing a trick mode on a video signal containing a

2　plurality of original pictures, comprising:

3　　　　　a controller for reading data from a storage medium and generating the video

4　signal; and

5　　　　　a video processor, wherein the processor is programmed to:

6　　　　　receive a trick mode command;

7　　　　　search the plurality of original pictures for a picture in the video signal

8　compatible with the trick mode; and

9　　　　　initiate the trick mode once the compatible picture is located.

1　　　12.　　The system according to claim 11, wherein the compatible picture is an

2　intra picture.

1　　　13.　　The system according to claim 11, wherein the compatible picture is a

2　predictive picture.

1　　　14.　　The system according to claim 11, wherein the trick mode is a freeze

2　trick mode and the processor is further programmed to repeat the compatible picture

3　for the duration of the trick mode to form a trick mode signal.

1　　　15.　　The system according to claim 14, wherein the processor is further

2　programmed to repeat the compatible picture for the duration of the trick mode by

3　inserting into the video signal dummy pictures predicted from the compatible picture

4　to form the trick mode video signal.

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1   16.   The system according to claim 15, wherein each of the plurality of

2   original pictures contains a display indicator and the processor is further

3   programmed to selectively modify the display indicator of the original pictures that

4   follow the compatible picture when a dummy picture is inserted into the video signal.

1   17.   The system according to claim 16, wherein the dummy pictures are

2   dummy predictive pictures.

1   18.   The system according to claim 17, wherein the compatible picture is an

2   intra picture and the processor is further programmed to selectively insert the

3   compatible I picture into the trick mode signal.

        19.   The system according to claim 18, further comprising a remote decoder

for decoding at least a portion of the trick mode video signal.